Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Tuesday 06 Dec 2022 until 23:59 on Wednesday 07 Dec 2022

Forecast Issued on Monday 05 Dec 2022 at 11:30

Confidence: High for an increasingly cold northerly flow, but lower confidence for details especially later in week with changes in wind direction possible due to formation of various areas of low pressure.

Headline for Tuesday 06 Dec 2022: Cold, but mainly dry and bright with some sunny spells and only the odd light snow shower.

Mountain weather hazards on Tuesday 06 Dec 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Cloudy	Sunny intervals	Sunny intervals	Cloudy	Cloudy
Precipitation probability							
20%	20%	20%	10%	10%	10%	00%	00%

Forecast for Tuesday 06 Dec 2022

Weather: Rather cloudy overnight with the odd light snow shower, but some breaks in the cloud will allow a frost to develop in places. Then a rather cold, but bright day with sunny spells. Best of the sunshine in the west, with more cloud over the north and east and the risk of the odd snow shower. Dry in the evening with clear periods.

Chance of cloud-free hill tops above 800m: 40% overnight and for much of the day in the north and east, but closer to 80% in west

Low cloud and visibility: Good visibility but perhaps poor in any showers and occasionally very poor where in cloud with broken perhaps extensive cloud above 700m, occasionally 500m at first especially in north and east, but scattered occasionally broken over eastern fells.

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Mountain Weather Forecast

Forecast for Tuesday 06 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	18/22 NE	15/18 NE	20/24 N	22/28 NE	21/27 NE	21/28 N	21/28 N	18/23 N	17/23 N
600	10/14 NE	9/14 N	13/19 N	12/18 N	13/19 N	14/21 N	14/21 N	11/18 N	13/21 N
300	3/12 N	4/11 N	6/16 N	5/16 N	7/16 N	7/18 N	7/19 N	6/16 N	7/17 N
Valley	5/14 N	6/13 N	7/18 N	8/20 N	10/20 N	10/21 N	13/24 N	10/20 N	11/20 N

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-9	-2/-8	-2/-9	-2/-10	-2/-10	-3/-10	-3/-11	-4/-11	-4/-11
600	-1/-6	-1/-5	-1/-6	-1/-6	-0/-6	-1/-6	-1/-7	-2/-8	-3/-9
300	1/-1	1/-1	1/-2	1/-2	2/-1	2/-2	1/-3	-0/-4	-1/-5
Valley	4/1	4/1	4/1	4/0	5/2	4/1	4/-1	3/-1	2/-2
Freezing Level*	400m	500m	500m	400m	500m	500m	400m	300m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Rather cold, with a significant chill effect at most heights, but generally light winds. Freezing level lowering further with Icy surfaces and a dusting of snow coming down to around 450m.

Forecast for Wednesday 07 Dec 2022

Weather: Cold and frosty with bright or sunny spells, but perhaps still an isolated snow flurry and cloudier later in the evening with chance of a little snow

Maximum wind: North or northwest 10-15mph, but northeast 15-20 mph in evening.

Chance of cloud-free hill tops above 800m: 90%, reducing to 40% in evening.

Low cloud and visibility: Mostly very good visibility, but poor in any showers and occasionally very poor at height in cloud, with occasional base down to 700m, but broken perhaps extensive in evening down to 500m.

Temperature: **Valleys:** Minus 3 C rising to plus 2 C
At 800m: Minus 2 C
Freezing level: 200 or 300m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 5 December. Location: Dollywagon Pike summit at 11:04. Temperature: minus 1.0C. Maximum wind speed 32.6mph. Wind chill: minus 10.4C. Average wind speed: 20.9mph

Full report: There is neither snow nor ice below 800m. Above 800m, and especially above 850m, the ground and rocks are covered by a mixture of frost, rime ice and a skittering of snow. The deepest drift of which today was a whopping 12cm, and this was exceptional, so depth is not an issue. Far more problematic was the slippery nature of the ground and rocks especially on steep and exposed terrain, such as both Striding and Swirral Edges, where the temperature today was hovering around zero so there was also a slow thaw and puddles. It would only take a marginal drop in temperature, currently forecast, for verglas (thin ice) to also form on rocks, so walkers heading out above the snowline on Tuesday should expect, and be prepared, to encounter ice. Owing to the damp nature of the fells, ice could also be present on Tuesday below the snowline. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment including a torch, map and compass and the ability to use them in potentially poor visibility such as low cloud are all essential to safely and comfortably enjoy the fells. For those heading above the snowline and attempting, or traversing, steep and exposed routes it is recommended to carry an ice axe and crampons or microspikes in case there is more ice and snow on Tuesday compared with that experienced on Monday. For a similar reason, walking poles to aid stability on icy paths could also be useful.

Issued at: 1130 on Mon 05 Dec 2022

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